Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/23/2020 09:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125113	0	3.59	125208	3.58
Blue	F	SSC	125000	123677	-2	4.68	124625	4.72
Blue	E	FITC	14203	13709	-4	3.76	298	16.08
Blue	D	PE	25703	25306	-2	3.58	546	11.43
Blue	B	PerCP-Cy5-5	42104	41126	-3	4.15	915	15.49
Blue	A	PE-Cy7	34646	34185	-2	5.27	485	30.94
Red	C	APC	49824	49408	-1	3.36	1509	11.80
Red	A	APC-Cy7	39773	38758	-3	3.41	726	12.50
Violet	B	V450	7447	7135	-5	4.51	393	14.40
Violet	A	V500	31193	30030	-4	4.37	677	11.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22150	3.77	553	-3	N/A	N/A	Pass
Blue	F	SSC	53950	4.35	517	5	N/A	N/A	Pass
Blue	E	FITC	54	57.02	489	3	0.0388	207	Pass
Blue	D	PE	108	40.43	491	6	0.3389	278	Pass
Blue	B	PerCP-Cy5-5	172	38.57	584	7	0.0178	86	Pass
Blue	A	PE-Cy7	108	67.39	629	9	0.0198	0	Pass
Red	C	APC	348	24.54	569	2	0.0262	75	Pass
Red	A	APC-Cy7	200	24.86	546	2	0.0053	80	Pass
Violet	B	V450	88	46.55	453	4	0.0379	1727	Pass
Violet	A	V500	119	37.07	471	4	0.0239	1983	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.65	-31.45	1.03
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.41
Red	20.17	15.99 - 23.99	N/A	N/A	29.90	30.09	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 12680

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments